

Report Date: 01 Feb 2013

Summary Report for Individual Task

071-329-7018

Prepare the AN/PSN-11 Precision Lightweight Global Positioning System Receiver for Operation

Status: Approved

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Condition: You are a member of a squad, given an AN/PSN-11 precision lightweight global positioning system receiver (PLGR), a battery (BA-5800/U), and a map of the area of operations. You have been directed to prepare the PLGR for operation. Some iterations of this task should be performed in MOPP.

Standard: Install the battery, turn on the PLGR, observe the results of the built-in test (BIT), adjust backlighting, and perform setup procedures for the PLGR.

Special Condition: None

Special Standards: None

Special Equipment:

Safety Level: Low

MOPP: Sometimes

Task Statements

Cue: None

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Install the battery.

- a. Remove the power battery cover.
- b. Insert one BA-5800/U battery into the compartment contact ends first.
- c. Secure the power battery cover on.

2. Turn the PLGR on by pressing the "ON/BRT" key.

Note: A self-test automatically begins at power up.

3. Observe the results of the built-in test [BIT].

Note: If the self test fails, a failure is message is displayed. Report this message to unit maintenance personnel.

4. Adjust backlighting.

Note: High levels of backlighting consume battery power faster.

- a. Press the "ON/BRT" key until the desired level of backlighting is obtained.
- b. Press the "Up" or "Down" arrow keys until the desired level of backlighting is obtained.

5. Perform setup procedures for the PLGR.

Note: Setup customizes the PLGR displays to suit the needs of the user. Setup consists of thirteen pages that allow the user to control the following parameters: operating mode, type of satellites to use, coordinate system, units, magnetic variation, display customization, elevation hold mode, time and error formats, datum, automatic-off timer, data port configuration, automark mode, bullseye mode, Operator ID setup, approach setup, and rehearsal setup.

- a. Press the "MENU" key on the PLGR keypad until the menu display with the word "SETUP" is displayed.

Note: An item or field flashing on the PLGR display shows the location of the cursor. If an item or field is not flashing, the left or right arrow key on the PLGR keypad can be used to move the cursor left or right. The up or down arrow keys on the PLGR keypad can be used to scroll through a field or selection, to increase or decrease the value of a character, or to activate a function.

- b. Select "SETUP" by moving the cursor to the "SETUP" field and pressing the down arrow key to activate.

Note: There are 11 regular and 2 hidden pages to the SETUP display that contain numerous parameters that can be set. For the purpose of this setup the default settings for each parameter will be selected.

- c. Select setup page 1 (mode selection and SV-TYPE display).

- (1) Select the operating mode by setting the selectable field to "FIX".

Note: Continuous mode is the power-up default when the unit is using external power. Quick-fix mode is the power-up default when using battery power.

- (2) Select the satellite vehicle type by setting the selectable field to "MIXED".

- d. Select setup page 2 (coordinate system and units selection page).

- (1) Select the coordinate system by setting the selectable field to "MGRS-NEW" (military grid reference system, new).

- (2) Select the distance and velocity units by setting the selectable field to "METRIC".

- (3) Select the elevation units by setting the selectable field to "METER".

- (4) Select the elevation reference by setting the selectable field to "MSL" (mean sea level).
- (5) Select the angle units by setting the selectable field to "Deg" (degrees).
- (6) Select the north reference by setting the selectable field to "Mag" (magnetic).
- e. Select setup page 3 (magnetic variation page).
 - (1) Select the magnetic variation type by setting the selectable field to "Calc" (calculated).
 - (2) Select the magnetic variation unit by setting the selectable field to "Deg" (degrees).
- f. Select setup page 4 (customize the displays page).
 - (1) Select the elevation hold mode enable by setting the selectable field to "automatic".
 - (2) Select the time display format by setting the selectable field to "zulu".
 - (3) Select the error display format by setting the selectable field to "FOM" (figure of merit).
- g. Select setup page 5 (datum and automatic-off timer Options page).
 - (1) Select the datum (DTM) by setting the selectable field to "WGD".
 - (2) Select the automatic-off timer by setting the selectable field to "5-min" (5 minutes).
- h. Select setup page 6 (serial port configuration page).

Note: Two hidden setup pages are available only if the serial port configuration has CUSTOM selected.

 - (1) Select the serial port configuration by setting the selectable field to "standard".
 - (2) Select the HAVE QUICK format by setting the selectable field to "OFF".
 - (3) Select the 1PPS configuration by setting the selectable field to "OFF".
- i. Select setup page 7 (automark mode page) and select the automark mode by setting the selectable field to "OFF".
- j. Select setup page 8 (bullseye function page) and select the bullseye function by setting the selectable field to "OFF".
- k. Select setup page 9 (operator ID page) and if desired input a unique operator ID.
- l. Select setup page 10 (waypoint extension page) and if the nav method is "APPROACH" then select a range between 1000 to 15000 feet (8000 is the default).
- m. Select setup page 11 (rehearsal (tutorial function) page) if a user defined tutorial is available and desired.

(Asterisks indicates a leader performance step.)

Evaluation Preparation: SET UP: Provide the Soldier with the equipment and/or materials described in the conditions statement.

BRIEF THE SOLDIER: Explain what is expected of the Soldier by reviewing the task standards. Stress to the Soldier the importance of observing all cautions, warnings, and dangers to avoid injury to personnel and, if applicable, damage to equipment.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Installed the battery.			
2. Turned on the PLGR by pressing the "ON/BRT" key.			
3. Observed the results of the BIT.			
4. Adjusted backlighting.			
5. Performed setup procedures for the PLGR.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	FM 3-25.26	MAP READING AND LAND NAVIGATION	No	Yes
	TM 11-5825-291-13	OPERATIONS AND MAINTENANCE MANUAL FOR SATELLITE SIGNALS NAVIGATION	No	Yes

Environment: Environmental protections is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always, be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination. Everyone is responsible for safety. A thorough risk assessment must be completed prior to every mission or operation.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
101-92M-2005	Navigate Using GPS	101 - Quartermaster (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
071-329-7019	Enter Waypoints into an AN/PSN-11 Precision Lightweight Global Positioning System Receiver	071 - Infantry (Individual)	Approved
052-SPD-35-1004	Install a Spider Remote Control Station (RCS)	052 - Engineer (Individual)	Analysis
071-074-0048	Conduct a Reconnaissance of a Mortar Firing Position	071 - Infantry (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
05-3-1026	Perform an Area Search	05 - Engineers (Collective)	Approved
05-3-1024	Perform Military Search Procedures on a Building	05 - Engineers (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
12C Critical Task List - Skill Level 1	Enlisted	MOS: 12C, Skill Level: SL1
11B10, Infantryman - Version 1.00	Enlisted	MOS: 11B, Skill Level: SL1
11A Officer Lieutenant, Version 1.00	Officer	AOC: 11A, Rank: 1LT